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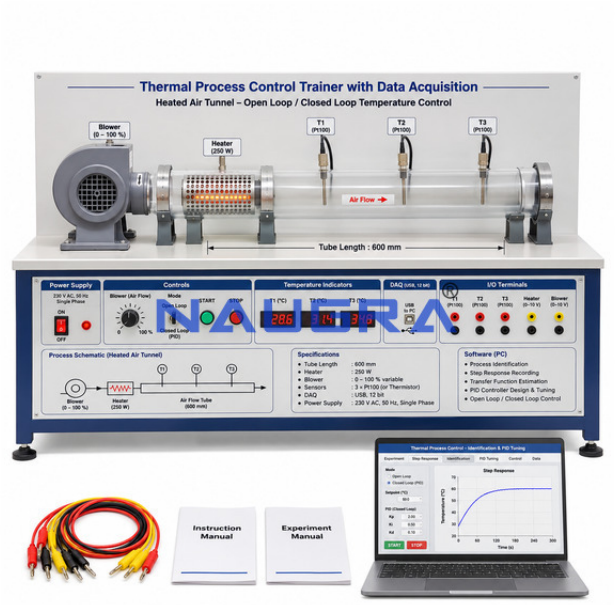
Product name:	**Product code:**
Thermal Process Control Trainer with Data Acquisition	CMI-NP-2041



Description

Trainer with heated air tunnel process and sensors interfaced to a PC for studying open loop and closed loop temperature control. Includes identification software. Students record step responses, estimate transfer function and design controllers using the software tools.

Technical specification

DAQ	USB 12 bit
Software	Step response and PID tuning
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Thermal Process Control Trainer with Data Acquisition is designed for ITI, polytechnic and TVET laboratories. Students record step responses, estimate transfer function and design controllers using the software tools.

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Features

- Acrylic duct with heater and blower
- Temperature sensors at several points
- USB data acquisition
- PC software with PID tuning
- Variable fan speed

Technical Specifications

Tube Length	600 mm
Heater	250 W
Blower	0-100 percent variable
Sensors	3 x Pt100 or thermistor